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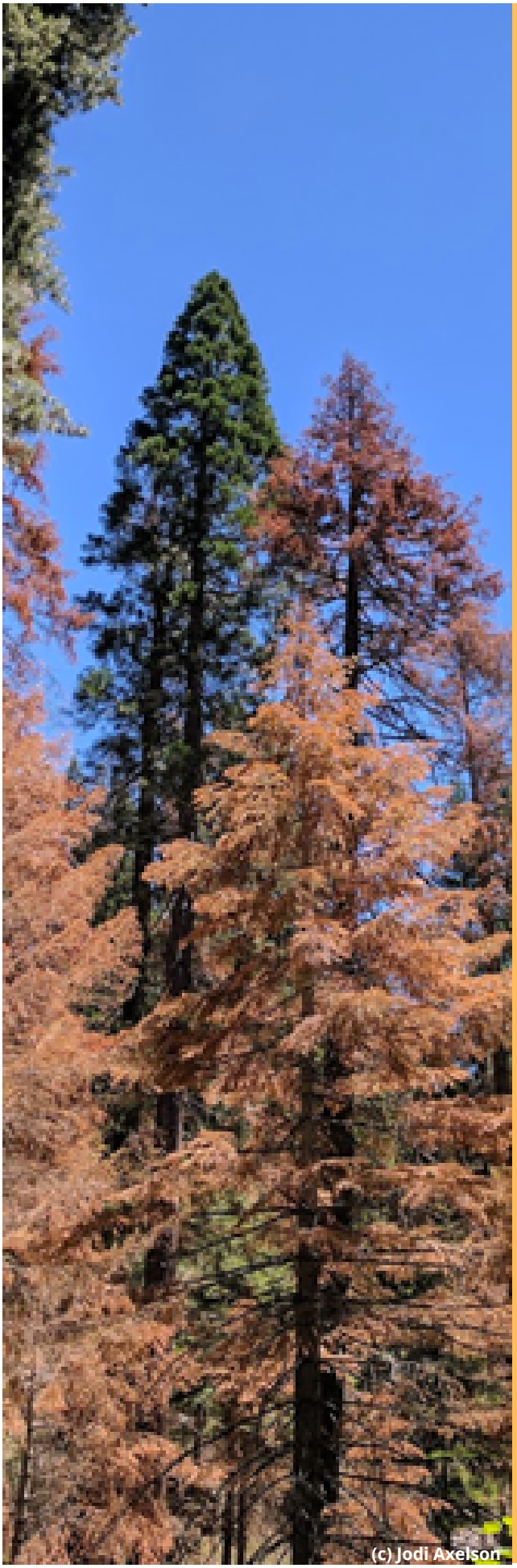

The California Tree Mortality Data Collection Network

2021 workshop

MARCH 10-11, 2021
9 AM – 12:30 PM (BOTH DAYS)
ONLINE MEETING VIA ZOOM

More info in our website

GOALS:

After the 2020 fire season, in which large severe wildfires burned across most of the Sierra Nevada region, our goal is to conduct an active science-based meeting to present the latest and most updated information on tree mortality, estimation of fuels and its potential relationships with wildfires. In addition, we are interested in discussing the reforestation and management practices that should be put in place to increase forest resilience in the future.

GENERAL APPROACH AND MEETING ORGANIZATION:

Since 2017, the California Tree Mortality Data Collection Network, led by academics at UC Berkeley and UC Agriculture and Natural Resources, has worked to bring together scientists and agencies who are conducting field and remote-sensing studies across the Sierra Nevada with a focus on tree mortality and its effects on wildfire risks, carbon, and more broadly on ecosystem services across this important region.

On March 10-11, 2021, we will be running two-half day (9 am – 12:30 pm) sessions with two plenary presentations and several short talks in a webinar format. On day 1 we will be focusing on tree mortality, fuels and wildfires, and on day 2 the focus will be on reforestation and post-mortality management.


Sierra National Forest (2020)
(c) Leif Mortenson


Sequoia National Forest - 2017
(c) Chris Fettig


Nelder Grove - 2018 Fire
(c) Brittany Dyer

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The California Tree Mortality Data Collection Network - 2021 workshop
March 10-11, 2021

AGENDA

DAY 1 - MARCH 10: FUELS AND WILDFIRES

8:30-9:00 EARLY ACCESS TO THE MEETING

9:00-9:15 WELCOME, MEETING GOALS AND GENERAL STRUCTURE Poll 1

Emilio Vilanova / Jodi Axelson UC Berkeley

9:15-9:45 PLENARY TALK: *LISTENING TO THE TREES: WHAT GLOBAL TREE MORTALITY OBSERVATIONS TELL US ABOUT THE FATES OF EARTH'S HISTORICAL FORESTS UNDER FURTHER HOTTER-DROUGHT*

Craig Allen - USGS New Mexico / William Hammond - Oklahoma State University

9:45-10:00 Q & A

10:00-10:05 BREAK

10:05-10:20 CHARACTERIZING SURFACE FUELS ACROSS SIERRA NEVADA MIXED-CONIFER FORESTS

Emilio Vilanova - UC Berkeley

10:20-10:35 BARK BEETLE-KILLED PONDEROSA PINE SNAG DEMOGRAPHY: INITIAL CHANGES IN FUEL LOADS

Leif Mortenson - US Forest Service

10:35-10:40 Q & A Poll 2

10:40-11:05 TRACKING TREE MORTALITY AND FIRE RISK TO GIANT SEQUOIAS AND THEIR ECOSYSTEMS: AN OVERVIEW OF ON-GOING EFFORTS AT SEQUOIA AND KINGS CANYON NATIONAL PARKS Christy Brigham - National Parks Service

10:40-11:05 THE 2020 CALIFORNIA FIRE SEASON IN CONTEXT: WAS IT A DISASTER?

Crystal Kolden - UC Merced

11:20-11:25 Q & A

11:25-11:30 BREAK Poll 3

11:30-12:30 INTERACTIVE PANEL DISCUSSION Moderator: John Battles - UC Berkeley


Sequoia National Forest - 2017
(c) Chris Fettig


Sierra National Forest - 2020
(c) Emilio Vilanova


Mountain Home Demonstration State Forest- 2020
(c) Carina Bilodeau


MCreek Fire - 2020
(c) NY Times


Mountain Home - 2020
(c) LA Times


Yosemite National Park - 2020
(c) Emilio Vilanova


Blodgett Forest - 2018
(c) Emilio Vilanova

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AGENDA

DAY 2- MARCH 11: POST-MORTALITY MANAGEMENT – REFORESTATION

8:30-9:00 EARLY ACCES TO THE MEETING

Poll 4

9:00-9:15 WELCOME TO NEW PARTICIPANTS, QUICK SUMMARY DAY 1
Emilio Vilanova / Jodi Axelson UC Berkeley

9:15-9:45 PLENARY TALK: *(TENTATIVE TITLE) REFORESTATION IN CALIFORNIA*
Brittany Dyer - American Forests

9:45-10:00 Q & A

10:00-10:05 BREAK

10:05-10:20 USING ASSISTED GENE FLOW DURING REFORESTATION TO ESTABLISH CLIMATE-ADAPTED FORESTS
Derek Young - UC Davis

10:20-10:35 THE CALIFORNIA SEED ZONE MAP AND POST-FIRE REFORESTATION IN A WARMING FUTURE
Jessica Wright - US Forest Service

10:35-10:40 Q & A

Poll 5

10:40-11:05 REFORESTATION FOR RESILIENCE: THE CLIMATE-WISE REFORESTATION TOOLKIT
Amarina Wuenschel - US Forest Service

11:05-11:20 REPLANTING STRATEGIES UNDER CHANGING WILDFIRE, CLIMATE, AND BUDGET CONDITIONS
Malcolm North - US Forest Service

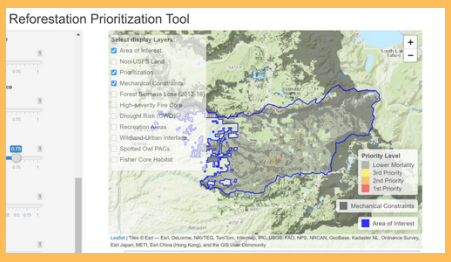
11:20-11:25 Q & A

11:25-11:30 BREAK

Poll 6

11:25-12:30 INTERACTIVE PANEL DISCUSSION Moderator: John Battles - UC Berkeley


Placerville Nursery - 2018
(c) Emilio Vilanova




Placerville Nursery - 2018
(c) Emilio Vilanova


Mountain Home Demonstration Forest - 2020
(c) Carina Bilodeau


Reforestation WA - 2017
(c) Emilio Vilanova


Redwood managed forests, northern CA - 2018
(c) Emilio Vilanova

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The California Tree Mortality Data Collection Network

Third workshop
March 10-11, 2021

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